

WHAT IS CLAIMED IS:

- 1 ~~Sub A17~~ 1. A method for providing an interest profile for an electronically  
 2 stored document, said method comprising:  
 3 accepting user input indicating user-specified concepts of interest;  
 4 analyzing said electronically stored document to identify locations of  
 5 discussion of said user-specified concept of interest; and  
 6 displaying an indication of presence of discussion about said concepts of  
 7 interest within said electronically stored document, wherein said indication provides to a  
 8 reader an approximate position of said discussion within said electronically stored  
 9 document.
- 1 2. The method of claim 1 wherein said displaying said indication of  
 2 presence further comprises:  
 3 displaying a contour graph image corresponding to said electronically  
 4 stored document in a viewing area of a display, said contour graph image depicting a  
 5 relative presence of at discussions of at least one of a plurality of concepts of interest to  
 6 said user.
- 1 3. The method of claim 2 wherein said graph further comprises a line  
 2 graph.
- 1 4. The method of claim 2 wherein said graph further comprises a bar  
 2 graph.
- 1 5. The method of claim 2 wherein said graph further comprises a  
 2 scatter diagram.
- 1 6. The method of claim 1 wherein said indication further provides an  
 2 indication of a persistence of said discussion within said electronically stored document.
- 1 ~~Sub A17~~ 7. The method of claim 1 further comprising:  
 2 accepting user input controlling a sliding pointer through said contour  
 3 image for the purposes of indicating sections of said electronically stored document to  
 4 display.

1 8. The method of claim 2 further comprising:  
2 displaying a second indication of presence of said concepts of interest, said  
3 second indication comprising an elongated thumbnail image of a portion of said  
4 electronically stored document in a viewing area of a display, said thumbnail image  
5 having at least one of a plurality of indications of locations of discussion of concepts of  
6 interest to said user.

1 9. The method of claim 1 further comprising:  
2 displaying a plurality of selectable concept indicators, said selectable  
3 concept indicators corresponding to concepts of interest;  
4 accepting user input selecting at least one of said plurality of concept  
5 indicators; and  
6 displaying said indication of presence of discussion about said concept of  
7 interest within said electronically stored document based upon the concept selected by the  
8 user.

1 <sup>sub</sup> 10. A method for providing an interest profile for an electronically  
2 stored document, said method comprising:  
3 accepting user input indicating user-specified concepts of interest;  
4 analyzing said electronically stored document to identify locations of  
5 discussion of said user-specified concept of interest;  
6 displaying a plurality of selectable concept indicators, said selectable  
7 concept indicators corresponding to concepts of interest;  
8 accepting user input selecting at least one of said plurality of concept  
9 indicators;  
10 displaying an indication of presence of discussion about said concepts of  
11 interest within said electronically stored document, wherein said indication of presence  
12 comprises a contour graph image corresponding to said electronically stored document,  
13 said contour graph image depicting a relative presence of discussions of at least one of a  
14 plurality of concepts of interest based upon the concept selected by the user; and  
15 displaying a second indication of presence of said concepts of interest, said  
16 second indication comprising an elongated thumbnail image of a portion of said  
17 electronically stored document in a viewing area of a display, said thumbnail image

18 having at least one of a plurality of indications of locations of discussion of concepts of  
19 interest based upon the concept selected by the user.

1 11. A computer program product for providing an interest profile for  
2 an electronically stored document, said computer program product comprising:  
3 code for accepting user input indicating user-specified concepts of interest;  
4 code for analyzing said electronically stored document to identify  
5 locations of discussion of said user-specified concept of interest;  
6 code for displaying an indication of presence of discussion about said  
7 concepts of interest within said electronically stored document, wherein said indication  
8 provides to a reader an approximate position of said discussion within said electronically  
9 stored document; and  
10 a computer readable storage medium for holding the codes.

1 12. The computer program product of claim 11 wherein said code for  
2 displaying said indication of presence further comprises:  
3 code for displaying a contour graph image corresponding to said  
4 electronically stored document in a viewing area of a display, said contour graph image  
5 depicting a relative presence of at discussions of at least one of a plurality of concepts of  
6 interest to said user.

1 13. The computer program product of claim 12 wherein said graph  
2 further comprises a line graph.

1 14. The computer program product of claim 12 wherein said graph  
2 further comprises a bar graph.

1 15. The computer program product of claim 12 wherein said graph  
2 further comprises a scatter diagram.

1 16. The computer program product of claim 11 wherein said indication  
2 further provides an indication of a persistence of said discussion within said electronically  
3 stored document.

1 <sup>Sub</sup>  
A 17 17. The computer program product of claim 11 further comprising:

code for accepting user input controlling a sliding pointer through said contour image for the purposes of indicating sections of said electronically stored document to display.

18. The computer program product of claim 12 further comprising:  
code for displaying a second indication of presence of said concepts of interest, said second indication comprising an elongated thumbnail image of a portion of said electronically stored document in a viewing area of a display, said thumbnail image having at least one of a plurality of indications of locations of discussion of concepts of interest to said user.

19. The computer program product of claim 11 further comprising:  
code for displaying a plurality of selectable concept indicators, said selectable concept indicators corresponding to concepts of interest;  
code for accepting user input selecting at least one of said plurality of concept indicators; and  
code for displaying said indication of presence of discussion about said concept of interest within said electronically stored document based upon the concept selected by the user.

Sub A1 20. A computer program product for providing an interest profile for an electronically stored document, said computer program product comprising:  
code for accepting user input indicating user-specified concepts of interest;  
code for analyzing said electronically stored document to identify locations of discussion of said user-specified concept of interest;  
code for displaying a plurality of selectable concept indicators, said selectable concept indicators corresponding to concepts of interest;  
code for accepting user input selecting at least one of said plurality of concept indicators;  
code for displaying an indication of presence of discussion about said concepts of interest within said electronically stored document, wherein said indication of presence comprises a contour graph image corresponding to said electronically stored document, said contour graph image depicting a relative presence of discussions of at least one of a plurality of concepts of interest based upon the concept selected by the user;

15 code for displaying a second indication of presence of said concepts of  
16 interest, said second indication comprising an elongated thumbnail image of a portion of  
17 said electronically stored document in a viewing area of a display, said thumbnail image  
18 having at least one of a plurality of indications of locations of discussion of concepts of  
19 interest based upon the concept selected by the user; and  
20 a computer readable storage medium for containing the codes.

1 21. A system for providing an interest profile for an electronically  
2 stored document, said system comprising:  
3 a memory;  
4 a display;  
5 a processor, interconnected to said memory and said display by a bus, said  
6 processor operatively disposed to:  
7 accept user input indicating user-specified concepts of interest;  
8 analyze said electronically stored document to identify locations of  
9 discussion of said user-specified concept of interest; and  
10 display an indication of presence of discussion about said concepts of  
11 interest within said electronically stored document on said display, wherein said  
12 indication provides to a reader an approximate position of said discussion within said  
13 electronically stored document.

1 22. The system of claim 21 wherein said displaying said indication of  
2 presence further comprises:  
3 displaying a contour graph image corresponding to said electronically  
4 stored document in a viewing area of a display, said contour graph image depicting a  
5 relative presence of at discussions of at least one of a plurality of concepts of interest to  
6 said user.

1 23. The system of claim 22 wherein said graph further comprises a line  
2 graph.

1 24. The system of claim 22 wherein said graph further comprises a bar  
2 graph.

1 25. The system of claim 22 wherein said graph further comprises a  
2 scatter diagram.

1 30. A system for providing an interest profile for an electronically  
2 stored document, said system comprising:  
3 a memory;  
4 a display;  
5 a processor, interconnected to said memory and said display by a bus, said  
6 processor operatively disposed to:  
7 accept user input indicating user-specified concepts of interest;  
8 analyze said electronically stored document to identify locations of  
9 discussion of said user-specified concept of interest;

10 display a plurality of selectable concept indicators, said selectable concept  
11 indicators corresponding to concepts of interest;  
12 accept user input selecting at least one of said plurality of concept  
13 indicators;  
14 display an indication of presence of discussion about said concepts of  
15 interest within said electronically stored document, wherein said indication of presence  
16 comprises a contour graph image corresponding to said electronically stored document,  
17 said contour graph image depicting a relative presence of discussions of at least one of a  
18 plurality of concepts of interest based upon the concept selected by the user; and  
19 display a second indication of presence of said concepts of interest, said  
20 second indication comprising an elongated thumbnail image of a portion of said  
21 electronically stored document in a viewing area of a display, said thumbnail image  
22 having at least one of a plurality of indications of locations of discussion of concepts of  
23 interest based upon the concept selected by the user.